

Bryan Tran

[HTTPS://BTRAN.IO](https://btran.io) • [HTTPS://BTRANPHOTOGRAPHY.ME](https://btranphotography.me)

☎ (571) 250-9946 | ✉ bt2kg@virginia.edu | 📍 bryantran04 | in bryantranva

Experience

Capital One

McLean, VA

SOFTWARE ENGINEER

Aug 2020 - Present

- Built infrastructure with AWS ECS, EC2, Lambda and applications to comply with California Consumer Privacy Act.
- Developed API in Java Spring Boot to process data set requests and automatic decision recommendation.
- Developed API in Python Fast API to process business analysts decisions sent from UI.
- Developed front-end in React to replace excel sheets so business analysts can keep track of data set decisions.
- Automated data set on-boarding to save 100s of hours.

Cvent, Inc.

McLean, VA

SOFTWARE ENGINEER INTERN

June 2019 - Aug 2019

- Developed Java functions with Selenium for the company's testing framework to automate testing scripts and extract information from web pages.
- Wrote test cases with Cucumber and Gherkin to test the Java functions with the company's testing framework.
- Re-factored existing test cases that use the UI to generate test data, to use API endpoints instead.
- Reduced time in generating testing data sets, solved sync issues, decreased failed tests by 50% and improved overall execution time.

Standard and Poor's

Charlottesville, VA

SOFTWARE ENGINEER INTERN

June 2018 - Aug 2018

- Developed machine-learning models with Python and natural language processing to predict the categories of financial documents.
- Classified documents with support vector machines, random forest, and deep-learning models, which were sent to the finance and accounting team based on the category of the document.
- Implemented a text transformation service pipeline using vectorization based on TF-IDF and bag of words techniques.
- Provided recommendations on which team to send financial documents to which saved business analysts 1-2hours a day.

Projects

UVA furniture

- Developed a scalable web app with Django to help students find furniture.
- Containerized micro-services, experience services, and front-end services with Docker.
- Implemented queuing service with Kafka to queue item creation and queue searches.
- Optimized search results with Elastic Search.
- Load balanced requests with HaProxy and Redis for caching.

Plagiarism Checker

- Developed a plagiarism checker using Docker, Flask, MongoDB, and spaCy.
- Mapped the similarity between two documents with spaCy's pre-trained model and docker to containerize each sub-process.
- Route web server container to communicate with the database container to create accounts.
- Web server sends a request to the backend container with the model, which would then return the similarity score.

UVA Student Skill Match

[HTTPS://CONNECTZERO.HEROKUAPP.COM/](https://connectzero.herokuapp.com/)

- Developed a full stack web app to help students connect with classmates, with the purpose of forming study groups or finding skills for hire.
- Developed search Engine with Elasticsearch, and had CI/CD with TravisCI.
- Technologies used: Django/Postgresql/HTML/Bootstrap

Education

University of Virginia

Charlottesville, VA

BACHELOR OF ARTS IN COMPUTER SCIENCE AND STATISTICS, CUMULATIVE: 3.4

Aug 2016 - May 2020

Skills

- Languages** Python, Java, JavaScript, C++, HTML, CSS, SQL, R
- Technologies** Django, Fast API, Docker, Flask, Node.js, Pandas, Numpy, Tensorflow, Git, Jenkins, React, Java Spring Boot
- Certifications** AWS Solutions Architect